

ABSTRACT

There are provided an ultrasonic transducer (2) that performs transmission and/or reception of an ultrasonic wave and a propagation medium portion (6) that forms a propagation path of the ultrasonic wave. A density ρ_1 and an acoustic velocity C_1 of the propagation medium portion (6) and a density ρ_2 and a sound velocity C_2 of a fluid that stuffs a circumjacent space are appropriately set, and a propagation loss of the ultrasonic wave into the fluid is reduced to almost zero by refracting the ultrasonic wave at an appropriate angle.

10

Version with Markings to
Show Changes Made

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